

What is claimed is:

1. A fuel dispenser for providing cash to a customer in excess of transaction cost, said dispenser comprising:

a fuel delivery system for delivering fuel to a vehicle;

a customer interface including a financial information reader, display, and input device; and

a control system adapted to control fuel delivery and said customer interface;

said control system configured to:

a) receive account information from the customer from said financial information reader for a fueling transaction;

b) effect payment of the fueling transaction and a select cash amount payable to the customer in excess of said fueling transaction on an account; and

c) authorize a select cash amount back payable to the customer;

wherein the customer can request cash back in addition of to said fueling transaction at the dispenser during the fueling transaction.

2. The fuel dispenser of claim 1 wherein said financial information reader is a card reader.

3. The fuel dispenser of claim 1 wherein said financial information reader is a transponder interrogator configured to wirelessly receive the financial information from a transponder.

4. The fuel dispenser of claim 1 further comprising a cash dispenser controlled by said control system and configured to dispense the select cash amount to the customer.

2025-03-26 10:00:00

10. The dispensing system of claim 7 wherein one said remote terminal is located at each said at least one fuel dispenser.

11. The dispensing system of claim 7 including one said remote terminal in a location near multiple ones of said fuel dispensers wherein the remote terminal is a common terminal providing customers access to cash based on requests from any official fuel dispensers.

12. The dispensing system of claim 6 wherein said at least one fuel dispenser further includes a cash dispenser for dispensing the select cash amount to the customer.

13. The dispensing system of claim 6 wherein one cash dispenser is in a forecourt having multiple ones of said fuel dispensers, said cash dispenser is associated with said control system and configured to dispense said select cash amount after authorization by said central control system.

14. A fuel dispensing system comprising:

- a) a central control system associated with a financial authorization system; and
- b) a fuel dispenser having:
 - i. means for receiving financial information sufficient to authorize payment for a transaction and provide cash back to a customer;
 - ii. a customer interface; and
 - iii. a dispenser control system configured to receive a select cash amount entered by a customer via said user interface and transfer the financial information to said central control system, which forwards the financial information, select cash amount, and transactional information to the financial authorization system for authorization of a select cash amount and transactional information for accounting.

15. The fuel dispensing system of claim 14 further comprising means to deliver the select cash amount to the customer in the forecourt of a service station containing said fuel dispenser after authorization of the select cash amount.

16. The fuel dispensing system of claim 15 wherein said means to deliver the select cash amount is a cash dispenser in said fuel dispenser.

17. The fuel dispensing system of claim 15 wherein said means to deliver the select cash amount is a stand-alone cash dispenser apart from said fuel dispenser.

18. The fuel dispensing system of claim 15 wherein said means to deliver the select cash amount is a pneumatic cash delivery system comprising a pneumatic delivery tube connecting a central terminal and a remote terminal accessible by the customer, said delivery system having a delivery cartridge to carry the select cash amount from said central terminal to said remote terminal.

19. The fuel dispensing system of claim 18 wherein said remote terminal is located in or adjacent said fuel dispenser.

20. The fuel dispensing system of claim 18 wherein said remote terminal is located apart from said fuel dispenser and accessible by customers..

21. The fuel dispensing system of claim 20 further comprising means for verifying a customer with a select cash amount at said remote terminal, wherein a customer must provide verification to said means for verifying before giving access to said select cash amount in said remote terminal.

22. The fuel dispensing system of claim 17 further comprising means for verifying a customer with a select cash amount at said cash dispenser, wherein a customer

must provide verification to said means for verifying before said cash dispenser dispenses the select cash amount.

23. The fuel dispensing system of claim 21 wherein said means for verifying a customer with a select cash amount is a card reader and said control system transfers card information to said remote terminal for verification using card information obtained from the customer at the remote terminal.

24. An energy dispenser for providing cash to a customer in excess of transaction cost, said dispenser comprising:

- an energy delivery system for delivering an energy source to a vehicle;
- a customer interface including a financial information reader, display, and input device; and
- a control system adapted to control energy delivery and said customer interface; said control system configured to:
 - a) receive account information from the customer from said financial information reader for an energy transaction;
 - b) effect payment of the energy transaction and a select cash amount payable to the customer in excess of said fueling transaction on an account; and
 - c) authorize a select cash amount back payable to the customer;wherein the customer can authorize cash back in excess of transactional costs at the dispenser during the energy delivery transaction.